

STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

**California Integrated Waste Management Board  
Office of Local Assistance  
1001 I Street, (MS-25)  
PO Box 4025  
Sacramento, CA 95812-4025**

**General Instructions:**

Please select the **ONE** choice below that best explains your request to the Board.

- ☐ 1. Use a recent generation-based study to calculate our current reporting year generation amount, but not officially change our existing Board-approved base year.
- ☒ 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative by calling (916) 341-6199.

Section I: Jurisdiction Information and Certification			
<i>All respondents must complete this section.</i>			
I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:			
Jurisdiction Name <b>Pleasant Hill</b>		County <b>Contra Costa</b>	
Authorized Signature		Title	
Type/Print Name of Person Signing	Date	Phone ( ) Include Area Code	
Person Completing This Form (please print or type) <b>Eric Bissinger</b>		Title	
Affiliation:			
Mailing Address	City	State	ZIP Code
E-Mail Address			

<b>Section II: Information for New Generation-Based Study for Existing or New Base Year</b>			
Attach additional sheets if necessary—reference each response to the appropriate cell number (e.g., "4").			
<i>Note: New base years must be representative of a jurisdiction's disposal and diversion.</i>			
<b>1. Current Board-approved existing base year:</b>		<b>2. Proposed new generation-based study year:</b>	
1990		1999	
<b>3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:</b>			
The original base-year data is old, inaccurate, and incomplete. The proposed base-year is based on a new and accurate Waste Generation Study. Data for the proposed base-year was obtained directly from hauler reports, DRS data, and waste audits and surveys. The calculations used Board-approved conversion factors. No extrapolation was used. The extensive data gathered and accurate calculations result in an accurate base-year. There were no unusual events, in the study year, such as natural disasters or large construction or demolition projects, so it is an average year in terms of disposal and diversion.			
<b>4. Enter diversion rate information below.</b>			
<b>Diversion rate calculated using existing base year</b>		<b>Diversion rate calculated using new generation-based study</b>	
a. 19 %		b. 29 %	
<b>For existing base year pounds/person/day based on generation</b>		<b>For new generation based study pounds/person/day based on generation</b>	
7.12		8.08	
<b>Residential generation 34 %</b>	<b>Non-Residential generation 66 %</b>	<b>Residential generation 34% %</b>	<b>Non-Residential generation 66% %</b>
<b>Population existing generation-based study 33,200</b>		<b>Population new generation-based study 33,200</b>	
<b>5. If there is an increase from 4a to 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples (e.g., change in jurisdiction's demographics).</b>			
The new diversion rate is based on a generation study that includes diversion from City and hauler programs as well as that from an extensive business survey that included on-site waste audits of the larger generators. The study includes diversion from other recycling service providers and source reduction methods that are NOT reflected in the original base year. The City has continuously increased diversion through implementing and expanding programs such as the City's asphalt diversion and curbside programs. There is only a slight increase in the lbs/person/day (0.2 percent) and it is attributed to identifying the additional diversion which resulted in an increase in overall generation for the population.			
<b>6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)</b>			
There is a significant increase between the existing and the proposed diversion rates. The increased diversion rate is attributed to newly implemented or expanded diversion programs as well as the identification of diversion that was missed in the original base year. The new or expanded programs include the curbside recycling service (1995), expanded materials collected at curbside (2000), residential greenwaste collection service (1999), extensive grasscycling and composting campaigns, and various City recycling and reuse programs. The diversion missed in the original base year includes the use of recyclers other than the waste hauler and recycling and source reduction done by the larger generators in the City. This diversion accounts for the majority of the City's diversion efforts.			

<b>7. Disposal Tonnage (enter values):</b>	11884	23070	34954
	Residential	Non-Residential	Total

Please select the **ONE** choice below that best explains your **disposal** data and complete the required tables.

☒ a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)

☐ b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at [www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc](http://www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc))

☐ c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at [www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc](http://www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc))

**8.** In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. **Note:** *The Board expects the jurisdictions to be able to provide all back-up documentation, if requested.* Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, agricultural wastes, inert solids [e.g., concrete, asphalt, dirt,] white goods, and scrap metal, please identify those programs/waste types and fill out Section 10. Please mark as Attachment 8 all copies of survey forms.

\*Please provide detailed Non-Residential waste information in Section 9.

**Note:** The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details substantiating your claim.

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (If any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: <a href="http://www.ciwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm">www.ciwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm</a>					
<b>Residential Source Reduction Activities</b>					
Backyard composting					
Grasscycling		0.0%			
<b>Other Residential Source Reduction (list each program separately)</b>					
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
<b>Subtotal, Residential Source Reduction</b>	0	0.0%			
<b>Residential Recycling Activities</b>					
Curbside Recycling	2018	4.1%	Glass, plastic, alum., tin, ONP, OCC, phone books	Actual Tonnage	Hauler Reports (provided)
Buyback Centers	949	1.9%	CRV Containers (glass, plastic, aluminum)	Actual Tonnage	DOR Report
Drop-off Centers					

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: <a href="http://www.ciwm.ca.gov/LGCentral/Parts/Codes/Reduce.htm">www.ciwm.ca.gov/LGCentral/Parts/Codes/Reduce.htm</a>					
<b>Other Residential Recycling (list each program separately)</b>					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
<b>Subtotal, Residential Recycling</b>	<b>2967</b>	<b>6.1%</b>			
<b>Residential Composting Activities</b>					
<b>Green Waste Drop-off</b>					
<b>Curbside Green Waste</b>	1703	3.5%	Green residential yard waste	Actual Tonnage	Hauler Reports (provided)
<b>Christmas Tree Program</b>					
<b>Other Residential Composting (list each program separately)</b>					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
<b>Subtotal, Residential Composting</b>	<b>1703</b>	<b>3.5%</b>			
<b>Subtotal, Residential Diversion</b>	<b>4670</b>	<b>9.5%</b>			
<b>Non-Residential Source Reduction Activities:</b>					
<b>Non-Residential Waste Audits*</b>	1840	3.8%	See Section 9	See Section 9	See Section 9
<b>Other Non-Residential Source Reduction (list each program separately)</b>					
<b>City Park Grasscycling</b>	243	0.5%	grass clippings - 32 acres	7.6 tons/acre/year (source CIWMB)	Pleasant Hill Recreation & Park District (provided)
Enter Program name					
Enter program name					
Enter program name					
Enter program name					
<b>Subtotal, Non-Residential Source Reduction</b>	<b>2083</b>	<b>4.3%</b>			

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: <a href="http://www.ciwnb.ca.gov/LGCentral/Pans/Codes/Reduce.htm">www.ciwnb.ca.gov/LGCentral/Pans/Codes/Reduce.htm</a>	(A)	(A/Total Generation)			
<b>Recycling</b>					
<b>Non-Residential Waste Audits*</b>	4095	8.4%	See Section 9	See Section 9	See Section 9
<b>Other Non-Residential Recycling (list each program separately)</b>					
Commercial onsite pickup	190	0.4%	OCC, paper, glass, plastics	Actual Tonnage	Hauler Reports (provided)
Enter program name					
Enter program name					
Enter program name					
Enter program name					
<b>Subtotal Non-Residential Recycling</b>	<b>4285</b>	<b>8.8%</b>			
<b>Non-Residential Composting</b>					
<b>Activities</b>					
<b>Non-Residential Waste Audits*</b>	394	0.8%	See Section 9	See Section 9	See Section 9
<b>Other Non-Residential Composting (list each program separately)</b>					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
<b>Subtotal Non-Residential Composting</b>	<b>394</b>	<b>0.8%</b>			
<b>Subtotal Non-Residential Diversion</b>	<b>6762</b>	<b>13.8%</b>			
<b>Residential/Non-Residential Diversion Activities</b>					
ADC	745	1.5%	Green Material, C&D	Actual Tonnage less hauler Green Waste collection	DRS (CIWMB)
Sludge					
Scrap Metal					
Construction and Demolition	1841	3.8%	Asphalt reuse	143 lbs./cubic foot	delivery receipts (City Office)
Landfill Salvage					
<b>Subtotal Residential/Non-Residential Diversion</b>	<b>2586</b>	<b>5.3%</b>			
<b>Total Res/Non-Res Source Reduction Tons</b>	<b>2083</b>	<b>4.3%</b>			
<b>Total Diversion Tons</b>	<b>14018</b>	<b>28.6%</b>			
<b>Total Disposal Tons from Sec.7</b>	<b>34954</b>	<b>71.4%</b>			
<b>Total Generation Tons (Div+Dis)</b>	<b>48972</b>				
<b>Diversion Rate</b>	<b>29%</b>				

### 9. Specific Non-Residential Sector Waste Audits--Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.

(Table will perform all addition calculations).

Type of Non-Residential Generator	Audit Reference Number	Specific/Major Diversion Activities Include Material Type (e.g., paper recycling, grasscycling). (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section 8)	Survey Method Phone (P) Mail (M) On-site (O) Other
Country Club	S-99-01	Grasscycling, paper recycling, green waste diversion, scrap metal recycling	915	52		966.29	2.0%	P
Grocery Store	S-99-02	Cardboard recycling, plastic recycling, rendering, compost, food donations	22	431	185	638.14	1.3%	P
Department Store	A-99-04	Cardboard recycling, toner cartridge reuse	0	485		484.87	1.0%	O
Grocery Store	S-99-04	Cardboard recycling, plastic recycling, rendering, compost, food donations	9	262	113	383.7	0.8%	P
Thrift Store	A-99-02	Clothing, furniture, books, and household reuse. Paper recycling.	328	3		331.3	0.7%	O
Grocery Store	S-99-07	Cardboard recycling, plastic recycling, rendering, compost, food donations	9	224	96	329.5	0.7%	P
Construction	A-99-05	Inert recycling		300		300	0.6%	O
Retail Store	S-99-08	cardboard and scrap metal recycling		290		289.86	0.6%	P
Retail Store	S-99-06	Cardboard recycling, printer cartridge recycling, paper reuse	0	281		281.23	0.6%	P
Retail Store	S-99-09	Cradboard recycling		211		210.6	0.4%	P
<b>Totals</b>			<b>1283.08</b>	<b>2538.21</b>	<b>394.2</b>	<b>4215.49</b>	<b>8.6%</b>	

Also provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors/sources. Include copies of survey form(s) used.

Summarize the non-residential diversion activities for the top 10 generators quantification methodology, and applicable conversion factors and sources (e.g., cardboard recycling: quantified by monthly tonnage receipts provided by the contact person at the business).

#### Cardboard Recycling:

S-99-02 These materials are backhauled to the distribution center, which tracks all materials and volumes received from each store.

S-99-04 These materials are backhauled to the distribution center, which tracks all materials and volumes received from each store.

S-99-07 These materials are backhauled to the distribution center, which tracks all materials and volumes received from each store.

S-99-09 8 bales a week at 900 lbs. per bale.

A-99-04 3 bales a day at 888 lbs. per bale.

**Cardboard Recycling (continued)**

S-99-08 12 bales a week at 900 lbs. per bale.

S-99-09 9 bales a week at 900 lbs. per bale.

**Scrap Metal Recycling:**

S-99-01 50 tons a year picked up on-site.

S-99-08 20 cubic yards a year is picked up on-site. 906 lbs per cubic yard.

**Toner Cartridge Recycling/Reuse:**

A-99-04 15 toner cartridges are refilled yearly. 2.5 lbs per cartridge.

S-99-06 They send back printer cartridges to the manufacturer (2.5 lbs/cartridge, USEPA), one per week, for .065 tons diversion.

**Grasscycling:**

S-99-01 This golf club grasscycles 120 acres of turf (350 lbs/1000 square feet, CIWMB), for a total 915 tons of diversion.

**Plastic Recycling:**

S-99-02 These materials are backhauled to the distribution center, which tracks all materials and volumes received from each store: 8.5 tons plastic

S-99-04 These materials are backhauled to the distribution center, which tracks all materials and volumes received from each store: 5.1 tons plastic

S-99-07 These materials are backhauled to the distribution center, which tracks all materials and volumes received from each store: 4.4 tons plastic

**Rendering:**

S-99-02 These materials are backhauled to the distribution center, which tracks all materials and volumes received from each store: 39 tons rendering

S-99-04 These materials are backhauled to the distribution center, which tracks all materials and volumes received from each store: 23.7 tons rendering

S-99-07 These materials are backhauled to the distribution center, which tracks all materials and volumes received from each store: 20.3 tons rendering

**Composting:**

S-99-02 These materials are backhauled to the distribution center, which tracks all materials and volumes received from each store: 185.3 tons produce composting.

S-99-04 These materials are backhauled to the distribution center, which tracks all materials and volumes received from each store: 112.6 tons produce composting.

S-99-07 These materials are backhauled to the distribution center, which tracks all materials and volumes received from each store: 96.3 tons produce composting.

**Paper Reuse:**

S-99-06 Reuse of 1000 pages per week at 500 pages/ream at 5 lbs/ream, CIWMB for .26 tons per year.

**Thrift Store Items (Source Reduction):**

A-99-02 This large thrift store was audited in person and all information provided by the manager. Did not use the conversion factor for thrift stores that is no longer allowed by the CIWMB. Used a weight factor for clothing items of 1 pound each, an average used by the industry's corporate offices for their tracking and reporting purposes. All items and quantities quoted are the quantities after they have been sorted and unsellable items rejected. Therefore all quantities reflect amounts that are received and kept at the store until sold. They receive 1000 clothing items weekly, at 1 pound each, 7 days/week, for an annual diversion of 26 tons. They also accept 15 furniture items daily, they manager estimated the average size to be 100 lbs, for 195 tons diversion. They receive 20 boxes of household items and small furniture (eg. shelves) daily, each box approximately 25 pounds, for annual diversion of 91 tons. They also accept, on average, 60 books daily. At an average of 1.48 lbs/book (average hard and soft cover, Tellus), they divert 16 tons annually.

**Inert Recycling:**

A-99-05 Actual weight.

**Green Waste Diversion:**

S-99-01 50 tons a year of brush and green waste is recycled and used on-site. Superintendent confirmed estimated tonnage.

**Food Donations:**

S-99-02 Three carts a day of produce is donated each weighing 40 lbs each.

S-99-04 Two carts a day of produce is donated each weighing 25 lbs each.

S-99-07 Two carts a day of produce is donated each weighing 25 lbs each.



City of Pleasant Hill 1999 WGS

## ATTACHMENT 10

**10. For each restricted waste type [i.e., agricultural waste, inert solids, (e.g. concrete, asphalt, dirt, etc.) scrap metals and white goods (PRC Section 41781.2)] and associated program, please provide the following information:**

**a. If the diversion program started on or after January 1, 1990, complete the following table.**

**(Note: program name refers to one specific diversion program for that waste type; (e.g., diversion conducted by City Public Waste Dept).**

PROGRAMS STARTING ON OR AFTER JANUARY 1, 1990:

Restricted Waste Type	Specific Program name	Year started	Tonnage	Ref #
Scrap Metal	Business's Recycling of Scrap Metal through recycling se	1998	48.0	S-99-18
Scrap Metal	Business's Recycling of Scrap Metal through recycling se	1998	1.3	A-99-01
Scrap Metal	Business's Recycling of auto parts through recycling serv	1997	20.8	S-99-22
Scrap Metal	Business's Recycling of Scrap Metal through recycling se	1996	1.5	S-99-01
Scrap Metal	Business's Recycling of Scrap Metal through recycling se	1995	0.6	S-99-21
Scrap Metal	Recycling of wheels, rims, and weights through recycler	1993	5.2	S-99-11
Scrap Metal	Recycling of wheels, rims, and weights through recycler	1993	1.8	S-99-05
Scrap Metal	Recycling of wheels, rims, and weights through recycler	1990	0.2	S-99-14
Inert Solids	Business's Recycling of Concrete through recycling servic	1990	300	A-99-05
Inert Solids	Recycling of Asphalt by Public Works Dept, Maintenance	1999	1,841	C-99-01
Total Allowable Diversion			2,220	

**b. If the diversion program started before January 1, 1990, on a separate sheet, marked attachment 10b, provide the following documentation: (Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.**

Instead please provide date of Board approval of previously submitted information. \_\_\_\_\_ (Date)

If documentation is not available, go to 10d.

§ How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion [PRC Sec. 41781.2 (c) (1)].

§ That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (Note: this criterion is applicable to the entire jurisdiction, not to individual programs [PRC Sec. 41781.2 (c) (2)]).

§ The jurisdiction is implementing, and will continue to implement, the diversion programs in its Source Reduction and Recycling Element.

**c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:**

PROGRAMS STARTING BEFORE JANUARY 1, 1990 MEETING CRITERIA:

Restricted Waste Type	Specific Program Name	New base year or reporting year

**d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. (Note: Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.)**

PROGRAMS STARTING BEFORE JANUARY 1, 1990 NOT MEETING CRITERIA:

Restricted Waste Type	Specific Program name	New base year or	1990 diversion	Difference	Ref #
Scrap Metal	Recycling through recycling service	9.1	0	9.1	S-99-08
				-	
				-	
				-	
Total Allowable Diversion				9.1	

## Business Phone Surveyed Diversion for the City of Pleasant Hill

Ref. Number	Business Type	Diversion Activity	Material Type	Conversion Factor and Source	S.R.	Recycling	Composting	Total Tons
S-99-01	Country Club	Grasscycle	Grass Clippings - 120 acres	350 lbs/1000 sq ft/yr (source: CIWMB)	914.76			914.76
		Recycling	Paper - 1 ream month	5 lbs/ream (source: CIWMB)		0.03		0.03
		Recycling	Green waste	50 tons/year (source: N/A, reported in lbs)		50		50
		Recycling	Scrap Metal	1.5 tons/year (source: N/A, reported in lbs)		1.5		1.5
		Recycling	Aluminum - 20 bags/week	1.7 lbs/grocery bag (source: USEPA)		0.88		
							<b>Subtotal</b>	<b>966.29</b>
S-99-02	Grocery Store	Reuse	Pallets - 40/day - 6 days/week	40 lbs./pallet (source: CIWMB)	249.6			
		Recycling	Cardboard - baled and backhauled	N/A, reported in tons		383.5		383.5
		Recycling	Plastic - baled and backhauled	N/A, reported in tons		8.5		8.5
		Rendering	Fat	N/A, reported in tons		39		39
		Compost	Produce	N/A, reported in tons			185.3	185.3
		Donation	Baked Goods	3 carts daily/40lbs (source: site visit)	21.84			21.84
							<b>Subtotal</b>	<b>638.14</b>
S-99-04	Grocery Store	Reuse	Pallets - 30/day + 6 days/week	40 lbs./pallet (source: CIWMB)	187.2			
		Recycling	Cardboard - baled and backhauled	N/A, reported in tons		233.2		233.2
		Recycling	Plastic - baled and backhauled	N/A, reported in tons		5.1		5.1
		Rendering	Fat	N/A, reported in tons		23.7		23.7
		Compost	Produce	N/A, reported in tons			112.6	112.6
		Donation	Baked Goods	2 carts daily/25 lbs	9.1			9.1
							<b>Subtotal</b>	<b>383.7</b>
S-99-05	Automotive	Recycling	Tires - 500/week	40 lbs/average tire (source: CIWMB)		125.84		
		Recycling	Metal Rim - 20/mo	15 lbs/wheel (source: employee estimate)		187.20		0
							<b>Subtotal</b>	<b>0</b>
S-99-06	Retail Store	Recycling	Cardboard - 12 bales/week	900 lbs/bale (source: USEPA)		187.2		187.2
		Recycling	Glass - 1case/week	12 lbs/case (source: USEPA)		0.3		
		Recycling	Aluminum - 1 bag/week	1.5 lbs/grocery bag (source: USEPA)		0.4		
		Recycling	Printer Cartridge - 1 cart/week	2.5 lbs cartridge (source: USEPA)		0.07		0.07
		Reuse	Pallets - 24/day + 6 days/week	40 lbs./pallet (source: CIWMB)	448.76			
		Source Reduce	Paper - 1000/pages/wk	5 lbs/ream (source: CIWMB)	0.26			0.26
							<b>Subtotal</b>	<b>187.53</b>
S-99-07	Grocery Store	Reuse	Pallets - 17.5/day + 6 days/week	40 lbs./pallet (source: CIWMB)	409.20			
		Recycling	Cardboard - baled and backhauled	N/A, reported in tons		199.40		199.40
		Recycling	Plastic - baled and backhauled	N/A, reported in tons		4.40		4.40
		Rendering	Fat	N/A, reported in tons		20.30		20.30
		Compost	Produce	N/A, reported in tons			96.30	96.30
		Donations	Baked Goods	2 carts daily/25 lbs	9.10			9.10

## Attachment 9

							<b>Subtotal</b>	<b>329.50</b>
S-99-08	Retail Store	Recycling	Cardboard - 12 bales/week	900 lbs/bale (source: USEPA)		280.8		280.8
		Recycling	Scrap Metal - 20 yds/year	906 lbs/cu yd (source: USEPA)		9.06		9.06
		Reuse	Pallets - 30/week	40 lbs./pallet (source: CIWMB)				
							<b>Subtotal</b>	<b>289.86</b>
S-99-09	Retail Store	Recycling	Cardboard - 9 bales/week	900 lbs/bale (source: USEPA)		210.6		210.6
							<b>Subtotal</b>	<b>210.6</b>
S-99-10	General Retail	Recycling	Cardboard - 5 bales/week	900 lbs/bale (source: USEPA)		117		117
		Reuse	Pallets - 50/week	40 lbs./pallet (source: CIWMB)				
							<b>Subtotal</b>	<b>117</b>
S-99-11	Automotive	Recycling	Tires - 150/week	40 lbs/average tire (source: CIWMB)		156		156
		Recycling	Scrap Metal - 200 lbs/week	N/A, reported in lbs		5.2		5.2
							<b>Subtotal</b>	<b>161.2</b>
S-99-12	Restaurant	Reuse	Cardboard - 60 boxes/week	2.2 lbs/med box (source: CIWMB)	93.6			93.6
		Rendering	Tallow	100 lbs/week		26		26
							<b>Subtotal</b>	<b>119.6</b>
S-99-13	Construction	Reuse	Cardboard - 15 boxes/day	2.2 lbs/med box (source: CIWMB)	5.15			5.15
		Donation	Wood scrap - 7.5 cu yd/week	329.53 lbs/cu yd (source: Tellus)	64.26			64.26
		Reuse	Pallets - 45/week	40 lbs./pallet (source: CIWMB)				
							<b>Subtotal</b>	<b>69.41</b>
S-99-14	Automotive	Recycling	Tires - 100/week	40 lbs/average tire (source: CIWMB)		104		104
		Recycling	Metal Drum - 2 drum/yr	226.5 lbs/drum (source: USEPA)		0.23		0.23
							<b>Subtotal</b>	<b>104.23</b>
S-99-15	Finance	Recycling	Paper	N/A, reported in tons		93		93
							<b>Subtotal</b>	<b>93</b>
S-99-16	Retail Store	Recycling	Cardboard - .5 bales/week	900 lbs/bale (source: USEPA)		11.7		11.7
		Reuse	Cardboard - 1200 boxes/week	2.2 lbs/med box (source: CIWMB)	68.64			68.64
		Recycling	Aluminum - 1 bag/week	14.6 lbs/33 gal bag (source: LA count)				
							<b>Subtotal</b>	<b>80.34</b>
S-99-17	Retail Store	Recycling	Cardboard - 2 bales/week	900 lbs/bale (source: USEPA)		46.8		46.8
		Reuse	Pallets - 20/week	40 lbs./pallet (source: CIWMB)				
							<b>Subtotal</b>	<b>46.8</b>
S-99-18	Automotive	Recycling	Cardboard - .5 bales/week	900 lbs/bale (source: USEPA)	11.7			11.7
		Recycling	Scrap Metal - 8000 lbs/month	N/A, reported in lbs		48		48
							<b>Subtotal</b>	<b>59.7</b>

## Attachment 9

S-99-19	Hotel	Recycling	Newspaper - 300 papers/day	1lb/newspaper (source: CIWMB)		54.75		54.75
							<b>Subtotal</b>	<b>54.75</b>
S-99-20	Retail Store	Recycling	Cardboard	900 lbs/bale (source: USEPA)		40.1		40.1
							<b>Subtotal</b>	<b>40.1</b>
S-99-21	Retail Store	Reuse	Cardboard - 450 boxes/week	2.2 lbs/med box (source: CIWMB)	25.74			25.74
							<b>Subtotal</b>	<b>25.74</b>
S-99-22	Automotive	Recycling	Cardboard - 75 lbs/wk	N/A, reported in lbs		1.95		1.95
		Recycling	Aluminum - 1 case/week	.89 lbs/case (source: USEPA)				0
		Recycling	Scrap Metal - 800 lbs/week	N/A, reported in lbs		20.8		20.8
		Reuse	Plastic packaging - 4lbs/week	N/A, reported in lbs	0.1			0.1
							<b>Subtotal</b>	<b>22.85</b>
S-99-23	Moving Service	Recycling	Cardboard - 200 boxes/week	3.1 lbs/box (source: CIWMB)		16.12		16.12
							<b>Subtotal</b>	<b>16.12</b>
S-99-24	Retail Store	Recycling	Cardboard - 125 boxes/day	3.1 lbs/box (source: CIWMB)		13.95		13.95
							<b>Subtotal</b>	<b>13.95</b>
S-99-25	Retail Store	Recycling	Cardboard - 15 yds/month	50 lbs/cu yd (source: Tellus)		4.5		4.5
							<b>Subtotal</b>	<b>4.5</b>
S-99-26	Retail Store	Recycling	Cardboard - 40 boxes/6day/8wk	3.1 lbs/box (source: CIWMB)		2.98		2.98
							<b>Subtotal</b>	<b>2.98</b>
S-99-27	Publishing	Recycling	Paper - 1 ream/day	5 lbs/ream (source: CIWMB)		0.88		0.88
		Recycling	Printer Cartridge - 20 cart/week	2.5 lbs cartridge (source: USEPA)		1.3		1.3
		Donation	Copier - 1.5 copier/year	28 lbs/desk copier (source: BUG)	0.02			0.02
							<b>Subtotal</b>	<b>2.2</b>
S-99-28	Restaurant	Reuse	Milk cartons - 60 week	.22 lbs/carton (source: USEPA)	0.34			0.34
		Donation	Food - 17.5 lbs/week	N/A, reported in lbs	0.46			0.46
							<b>Subtotal</b>	<b>0.8</b>
S-99-29	Publishing	Recycling	Cardboard - 10 boxes/week	2.2 lbs/med box (source: CIWMB)		0.57		0.57
		Source Reduce	Paper - 100 pages/wk	5 lbs/ream (source: CIWMB)	0.03			0.03
		Recycling	Plastic Bottles - 20 week	.05 lbs/bottle (source: USEPA)		0.03		0.03
		Recycling	Aluminum - 1.5 bag/week	1.5 lbs/grocery bag (source: USEPA)				
							<b>Subtotal</b>	<b>0.63</b>
S-99-30	Restaurant	Recycling	Aluminum - 2 bag/week	1.5 lbs/grocery bag (source: USEPA)				
		Donation	Food - 5 lbs/week	N/A, reported in lbs	0.13			0.13

## Attachment 9

[illegible]

Ref. Number	Business Type	Diversion Activity	Material Type	Conversion Factor and Source	Source Reduction	Recycling	Composting	Total Tons
A-99-01	Furniture/Refurb	Reuse	refurbished office furniture	13,000,000 lbs annually	6500.00			
		Donation	8,459 Chairs & Desks	31.76 lbs per secretary chair (source: USEPA) 184.75 lbs 60"x30" metal desk (source: USEPA)	4.23			4.23
		Reuse	5 toner cartridges/annually	2.50 lbs per cartridge (source: USEPA)	0.01			0.01
		Scavanged	25 Pallets/month	40 lbs per pallet (source: CIWMB)	6.00			6.00
		Recycling	other metals	2500 lbs annually ( source: N/A reported in lbs)		1.25		1.25
		Source Redu	Fabric	11oz per sq. ft. (360 lbs/year)	0.18			0.18
		Source Redu	Lamination	72,000 lbs/year (source: reported by owner)	36.00			36.00
		Source Redu	Wood	1,000 lbs/year (source: reported by owner)	0.50			0.50
		Recycling	Cardboard	4 bales/month @ 473.6 lbs per bale).		11.40		11.40
							Subtotal	59.57
A-99-02	Thrift Store	Reuse	Clothing -1000lbs/daily	1lb/each (source: industry standard)	26.00			26.00
		Reuse	Furniture - 15/daily	100 lbs/each (source: industry estimate)	195.00			195.00
		Reuse	House Items - 20 boxes/daily	25 lbs /box (source: industry estimate)	91.00			91.00
		Reuse	Books - 60 books/daily	1.48 lbs/mixed books (source: Tellus)	16.00			16.00
		Recycling	Paper	1,310 lbs. per cubic yard baled (per USEPA)		3.30		3.30
							Subtotal	331.30
A-99-03/S-99-03	Department Store	Recycling	Cardboard - 21 cu yd/weekly	400 lbs/cu yd compacted (source: USEPA)	246.00			
		Recycling	Alum - 33 gal bag/weekly	Employees do the recycling 14.6 lbs/33 gal bag - crushed/uncrushed (source: USEPA)		0.38		
		Reuse	Boxes - 50 med. Boxes/week	2.20 lbs/med box (source: CIWMB)	2.86			2.86
		Reuse	Hangers - 500 weekly	.13 lb/plastic hanger (source: UCLA)	1.69			1.69
		Recycling	Cardboard - 30 bales/week	900 lbs/bale (source: USEPA)		234.00		234.00
		Reuse	Pallets - 250 monthly	40 lbs/pallet (source: CIWMB)	260.00			
							Subtotal	238.55
A-99-04	Department Store	Recycling	Cardboard - 30 cu yd/weekly	3 bales a day at 888 lbs/bale		484.85		0.00
		Reuse	Toner Cartridges - 15 yearly	2.5 lbs/cartridge (source: USEPA)	0.02	308.15		0.02
		Reuse	Pallets - 78 weekly	40 lbs./pallet (source: CIWMB)	84.42			
							Subtotal	0.02
A-99-05	Construction	Recycling	inerts	25 tons monthly (source: N/A, reported in tons)		300.00		300.00
		Reuse	Pallets - 10 weekly	40 lbs/pallet (source: CIWMB)				
							Subtotal	300.00
A-99-06	Department Store	Reuse	Cardboard - 250 weekly	2.20 lbs/med box (source: CIWMB)	14.30			14.30
		Reuse	metal fixtures -	75 lbs. Month --- (source: N/A, reported in lbs)	0.45			0.45
		Repair	Computer - 2 yearly	55.55 lbs/ computer (Source: UCLA)	0.06			0.06
		Reuse	Pallets - 45 weekly	40 lbs/pallet (source: CIWMB)				
		Recycling	cardboard - 59.26 cu yd/week	100 lbs/cu yd - uncompacted (source: CIWMB)		154.00		154.00
		Recycling	toner cartridges - 30 monthly	2.5 lbs./cartridge (source: USEPA)		0.45		0.45
							Subtotal	169.26
A-99-07	Retail Store	Recycling	Cardboard - 948 cu yd bale/year	400 lbs/cu yd compacted (source: USEPA)		189.63		189.63
		Reuse	cartridges - 10 annually	2.5 lbs./cartridge (source: USEPA)	0.01			0.01
		Reuse	Pallets - 5 weekly	40 lbs/pallet (source: CIWMB)				
							Subtotal	189.64

A-99-08	Retail Store	Recycling	Cardboard - 15 cu yd/baled/week	400 lbs/cu yd compacted (source: USEPA)		154.07		154.07
		Reuse	Toner cartridges - 2 yearly	2.5 lbs./cartridge (source: USEPA)		0.00		0.00
		Reuse	Pallets - 17 weekly	40 lbs/pallet (source: CIWMB)				
							Subtotal	154.07
A-99-09	Retail Store	Recycling	Cardboard - 4 cu yd/biweekly	100 lbs/cu yd - uncompacted (source: CIWMB)		5.20		5.20
		Recycling	Paper - 98 gallons biweekly	25.41 lbs/33 gallon container (source: USEPA)		0.96		0.96
		Reuse	Boxes - 10 various box/week	2.20 lbs/med box (source: CIWMB)		0.57		0.57
		Reuse	Pallets - 100 weekly	40 lbs/pallet (source: CIWMB)				
		Donation	Textiles - damaged dog beds	100 lbs monthly (source: N/A, reported in lbs)		0.60		0.60
		Donation	Dog food - animal shelters	500 lbs monthly (source: (N/A, reported in lbs)		3.00		3.00
							Subtotal	10.33
A-99-10	Book Store	Recycling	Books - 15,540 lbs books month	1.08 lbs paper back/1.87 lbs hardback (source: LA Study)	93.24			93.24
		Recycling	Alum - 2 -13 gal bag/weekly	Employees do the recycling 2.21 lbs/13 gal bag - crushed/uncrushed (source: USEPA)				0.00
		Recycling	CDs - broken and damaged	100 lbs monthly (source: N/A, reported in lbs)		0.60		0.60
		Repair	Computer - 2 yearly	55.55 lbs/ computer (Source: UCLA)	0.05			0.05
		Reuse	Pallets - 15 weekly	40 lbs/pallet (source: CIWMB)				
							Subtotal	93.89
A-99-11	Thrift Store	Reuse	Clothing - 1 bin daily	150 lbs/bin (source: Industry estimate)	0.13			0.13
		Reuse	Furniture - 4 weekly	100 lbs/each (source: Industry estimate)	10.40			10.40
		Reuse	House Items - 10 totes daily	20 lbs/tote (source: Industry estimate)	23.40			23.40
		Reuse	Books - 15 totes daily	25 lbs/tote (source: Industry estimate)	48.75			48.75
		Reuse	Appliances - 1 tote daily	20 lbs/tote (source: Industry estimate)	2.60			2.60
							Subtotal	85.28
A-99-12	Moving Service	Recycling	Cardboard - 3 tons monthly	Reported in tons (source: Contra Costa Waste Inc.)		36.00		36.00
		Recycling	Paper - 1 ton monthly	Reported in tons (source: Contra Costa Waste Inc.)		12.00		12.00
		Reuse	Cardboard - 1 ton monthly	Reported in tons (source: n/a)	12.00			12.00
		Reuse	Pallets - 50 monthly	40 lbs/pallet (source: CIWMB)				
							Subtotal	60.00
A-99-13	Metal Manufacturing	Reuse	cardboard boxes - reused	1,000 lbs monthly (source: N/A, Reported in lbs)	6.00			6.00
		Reuse	Other Metals - reused in mfg	3,000 lbs monthly (source: N/A, Reported in lbs)	18.00			18.00
		Reuse	Wood - reused in mfg	250 lbs/month (source: N/A, Reported in lbs)	1.50			1.50
		Reuse	Pallets - 10 monthly	40 lbs/pallet (source: CIWMB)				
							Subtotal	25.50
					7671.67	1103.24	0.00	8774.91
					Grand total			1717.41